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TITLE: Water-resistant and oil-resistant textiles

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PATENT ASSIGNEE(S): Asahi Glass Co., Ltd., Japan

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AB Water- and oil-resistant cotton or polyester fabrics with improved hand were prep'd. by mixing a poly(dimethylsiloxane) or Me H polysiloxane (I) with a polymer based on RZCO2CR1:CH2, where R is a C4-15 perfluoroalkyl group, Z is a C1-10 alkylene, and R1 is H or Me, and finishing the fabric with the mixt. Thus, an \*\*\*emulsion\*\*\* contg. a mixt. (A) of a

4:3:2:1 CH2:CHCO2(CH2)3(CF2)4CF(CF3)2-

CH2:CHCO2(CH2)3(CF2)6CF(CF3)2-

CH2:CHCO2(CH2)3(CF2)8CF(CF3)2-CH2:CHCO2(CH2)3(CF2)10CF(CF3)2

copolymer [

\*\*\*68508-80-5\*\*\* ] 73, Et \*\*\*acrylate\*\*\* 25, and diacetone acrylamide

2 wt.% 100, an emulsifier 9, and C18H37N+Me3Cl- 1 part and I were mixed.

A polyester doeskin was immersed in the resulting mixt. to 90% pickup,

dried, and heated 1 min at 170.degree. to give a smooth water- and

oil-resistant fabric with A mixt. content 0.04% and I content 0.02%,

whereas the hand of a fabric treated with a similar compn. without I was not smooth.

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